NT BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
7.00	—	= 126.00	
		3172.50 Sq.m.	
		Asst. E.E. N.D. AE (W7)	

BR-376 30-7-16

M. A. R. 57 (Rule 116)
Measurement Book

No. B

263335

Serial No. first and final bill:

Name of Work .. Improvements to roads ~~From~~ in Hoysala layout ~~to~~ and surrounding area in Ward No.07 - Kodigehalli Sub-division:

Name of Contractor or nature of Agency ↳ Sri. Sambashiva:

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Name of Work:-	Improvements to roads in Hoysala layout and surrounding area in Ward No.07- Kodigehalli sub division:					
	Est cost:-	25.00 Lakhs:					
	A.S. No:-	BBMP/CE/YNK/PR/27/15-16; dt: 19-08-15.					
	T.S. No:-	BBMP/CE/YNK/PR/36/15-16; dt: 19-08-15.					
	Agr. No:-	No. EE/BTP/Agr/339/15-16; dt: 30-03-16.					
	Work order No:-	No. EE/BTP/BBMP/E-PMT/339/15-16; dt: 30-03-16.					
	Date of completion:-	30-07-16					
	Date of recording:-	30-07-16.					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No.01:-						
	Earthwork excavation by manual means in ordinary soil involing an average horizontal throw upto 2mts and an average horizontal throw upto 2mts and an average lift up to 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications:						
	Qty vide page No:	2634	263326	→	222.84	cum	
	At the rate of Rs:	75.60	→				16846.70

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Item No.02:-
	Lead for dis
	by mechanical mean
	Qty vide p
	At the ra
	Item No.02:-
	Scarifying
	50mm and disposal o
	upto 1000m complete

BOOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
		l means in Ordinary	
		ow upto 2mls and an	
		an average lift up to	
		ides neatly dressed,	
		after breaking of clods	
		222.84 cum	16846.70

M. A. R. 57 (Rule 116)
Measurement Book

No. B

263336

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No.08:- lead for disposal of debris shall be payable at earage rates by mechanical means including loading and unloading:						
	Qty vide page No.	2634/263327			→	222.84 cum	
	At the rate of Rs:	83.10			→		18518.00
	Item No.02:- Searifying the existing granular road surface to a depth of 50mm and disposal of scarified material within all lifts and leads upto 1000m complete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty vide page No. 2634/263328 →				3172.50		58247.00
	At the rate of Rs. →		18.36 →				
	Item No. 03:-						
	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour,					100 M	
	of machinery:						
	Qty vide page No. 2634/263330 →				3172.50		14212.80
	At the rate of Rs: 4.48 →						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Item No. 04:- Providing, l aggregates to wet- material with water of mixed method of Paver in sub/base with vibratory roll Qty vide page No At the rate of Rs

OK

Depth 6	Contents 7	Reference to last Measurement 8
172.50		✓ 58247.00
	maximum of 6 passes	
	ing in depression	
	all labour,	to M
50		✓ 14212.80

M. A. R. 57 (Rule 116)
Measurement Book

No. B 263337

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No. 04:- Providing, laying, spreading and compacting graded stones aggregates to wet-mix-macadam specifications including pre mixing the material with water at OMC in mechanical mix plant mix carriage of mixed method of tipper to site, laying in uniform layers with Paver in sub/base course on well prepared surface and compacting with vibratory roller to achieve the desired density:						
	Qty vide page No. 2634/263333 → 965.37 cum.						✓ 1186440.00
	At the rate of Rs:	~~3132~~ → 1229.0					

NDP
AE(W)

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No.05:- Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including cleaning of road surface and spreying primer at the rate of 0.60 kg/sqm using mechanical means.						
	Qty vide page No. 2634/263334 →				3172.50 sqm		
	At the rate of Rs 31.32 →						99362.00
	Item No.06:- Providing and laying semi dense bituminous concrete 25mm to 30mm thick with 100-120 TPH batch type HMP producing						

Serial No. .....
Name of Work .....
Name of Contractor of nature o
Date of commencement of work

Date	Full description, etc,
1	2
	an average o
	of specified gra
	of mix and to w
	sensor control d
	smooth wheeled
	compaction as
	all respects as
	Main road:-

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
imer coat with bitumen			
nular base including			
ying primer at the rate of			
t → 3172.50 sqm			99362.00
dened bituminous concrete			
batch type HMP producing			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

263338

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed with bituminous binder at 4.5 to 5% of mix and to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects as per specifications:						
	Main road:-	01	30.00	5.50	0.03	= 4.95	
		01	30.00	5.50	0.03	= 4.95	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		01	30.00	5.50	0.03	= 4.95	
		01	30.00	5.50	0.03	= 4.95	
		01	30.00	5.50	0.03	= 4.95	
		01	20.00	5.50	0.03	= 3.30	
	1st cross road:-						
		01	30.00	3.00	0.03	= 2.70	
		01	30.00	3.00	0.03	= 2.70	
	2nd cross road:-						
		01	30.00	3.00	0.03	= 2.70	
		01	5.00	3.00	0.03	= 0.45	
	3rd cross road:-						
		01	30.00	4.00	0.03	= 3.60	
		01	25.00	4.00	0.03	= ~~0.60~~ 3.00	NDP AE
	4th cross road:-						
		01	30.00	4.00	0.03	= 3.60	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ....

Date	Full description, etc, of w
1	2
	Sub main road:-
	Dead end road:-
	Jayaramappa lay

epth 6	Contents 7	Reference to last Measurement 8
03	= 4.95	
03	= 4.95	
03	= 4.95	
03	= 3.30	
03	= 2.70	
03	= 2.70	
03	= 2.70	
03	= 0.45	
03	= 3.60	
03	= 3.00 0.60	NDP AE
03	= 3.60	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

263339

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Sub main road:-	01	21.00	4.00	0.03	= 2.52	
		01	30.00	6.00	0.03	= 5.40	
		01	15.00	6.00	0.03	= 2.70	
	Dead end road:-	01	30.00	4.50	0.03	= 4.05	
		01	35.00	4.50	0.03	= 4.73	
	Jayaramappa layout:-	01	30.00	7.00	0.03	= 6.30	
		01	30.00	7.00	0.03	= 6.30	
		01	30.00	7.00	0.03	= 6.30	
		01	30.00	7.00	0.03	= 6.30	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		01	18.00	7.00	0.03 =	3.78	
				TOTAL =		95.18 cum	
	At the rate of Rs 8475.84 →						806730.45
	Item No. 07:-						
	Providing and laying of hot applied thermoplastic Compound 2.5mm thick including reflectorising glass beads @ 250gm per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads. as per IRC: 35. the finished surface to be level, uniform and free from streaks and holes complete as per specifications:						
	Main road:-						
		02	30.00	0.10	- =	6.00	
		02	30.00	0.10	- =	6.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	1st cross road:-	
	2nd cross road:-	

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
7.00	0.03	= 3.78	
TOTAL =		95.18 cum	
			806730.45
l applied thermoplastic			
rising glass beads @ 250gm			
uniform of surface applied			
d surface to be level, uniform			
e as per specifications:			
0.10	-	= 6.00	
0.10	-	= 6.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

263340

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		02	30.00	0.10	- =	6.00	
		02	30.00	0.10	- =	6.00	
		02	30.00	0.10	- =	6.00	
		02	20.00	0.10	- =	4.00	
	1st cross road:-	02	30.00	0.10	- =	6.00	
		02	30.00	0.10	- =	6.00	
	2nd cross road:-	02	30.00	0.10	- =	6.00	
		02	5.00	0.10	- =	1.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3rd cross road:-	02	30.00	0.10	- =	6.00	
		02	25.00	0.10	- =	5.00	
	4th cross road:-	02	30.00	0.10	- =	6.00	
		02	21.00	0.10	- =	4.20	
	Sub-main road:-	02	30.00	0.10	- =	6.00	
		02	15.00	0.10	- =	3.00	
	Dead end road:-	02	30.00	0.10	- =	6.00	
		02	35.00	0.10	- =	7.00	
	Jayaramappa layout:-	02	30.00	0.10	- =	6.00	
		02	30.00	0.10	- =	6.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	At the rate of

OK

Depth 6	Contents 7	Reference to last Measurement 8
=	6.00	
=	5.00	
=	6.00	
=	4.20	
=	6.00	
=	3.00	
=	6.00	
=	7.00	
=	6.00	
=	6.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

263341

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		02	30.00	0.10	-	= 6.00	cancelled. NDP AE(W1)
		02	30.00	0.10	-	= 6.00	
		01	18.00	0.10	-	= 3.60	
					TOTAL=	108.20 sqm	
	At the rate of Rs: 475.20 →						51416.6070
					GRAND TOTAL=		2251773.50
							22,52,086/-

N.D
AE(W1)
30/07/16

Assistant Executive Engineer
Sub Division,

MEASUREMENT BOOK

Royalty charges.

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Sl.No.	Details / Qty / Unit:		Jelly	Sand			
01:	WMM - 965.37 - Cum:	-	965.37				
02.	SDBC - 95.18 - cum. X 1.4	133.25					
	TOTAL:-		1098.63				
	ABSTRACT						
01	Stone Aggregates :- 1098.63 X 108 / cum = 118652.04						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ...

Date	Full description, etc, of w
1	2
	CERTIFICATE:-
	1) Certified that
	2) Certified that
	Asst/Jly. N.D
	AE (WT)

K

epth 6	Contents 7	Reference to last Measurement 8
52.00		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

263342

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	CERTIFICATE:-						
	1) Certified that the works done by the contractor is satisfactory.						
	2) Certified that the debris has been removed from the workspot.						
	Rvlpll.N.D AE (W+)						

Assistant Executive Engr.
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Jakkur main road						
	(60×3)						
	(35×3)						
	(55×4)						
	(45×6)						
	(51×4)						
	(170×5.05)						
	(65×4.50)						
						(138×7)m	

INDEX
- existing drain
- Asphalt Road

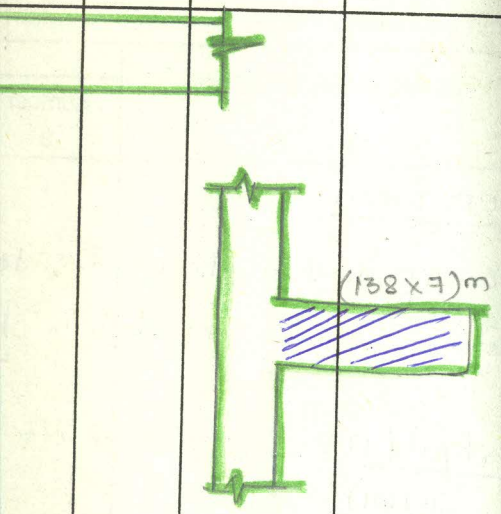
Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

M.M.P
AE(W7)

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	19,96,057=0

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		 INDEX - existing drain - Asphalt Road	

M.M.P
AE(W4)

M. A. R. 57 (Rule 116)
Measurement Book

No. B

263343

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	2252086=00 256029= 4,96,057=00 Krishna Foods 14/11/16			IT – 22521= VAT – 90083= CST – 22521= CBF – 2252= Rom – 118652= TOTAL – 256029=			